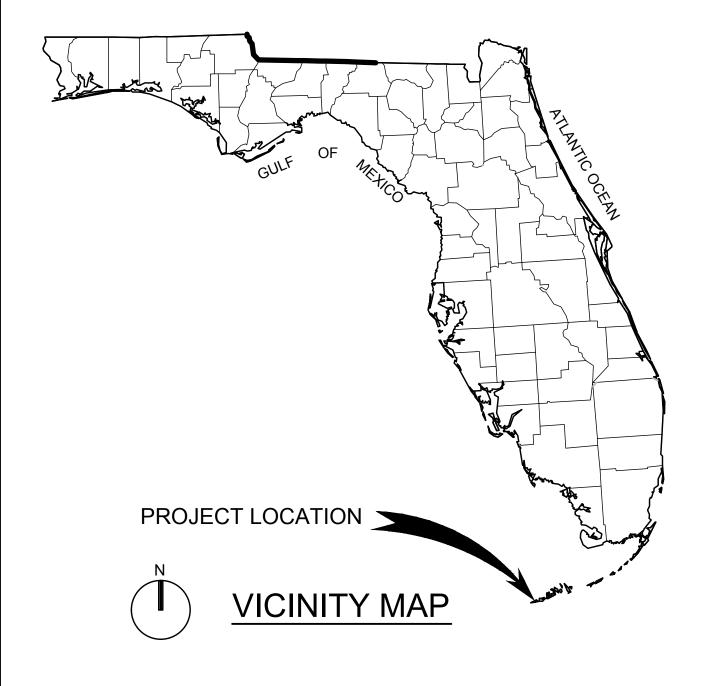
BID DOCUMENTS

FOR THE CONSTRUCTION OF THE

REPAIRS AND IMPROVEMENTS AT ZERO DUVAL AND MALLORY SQUARE

PREPARED FOR

CITY OF KEY WEST



INDEX TO DRAWINGS

ENERAL

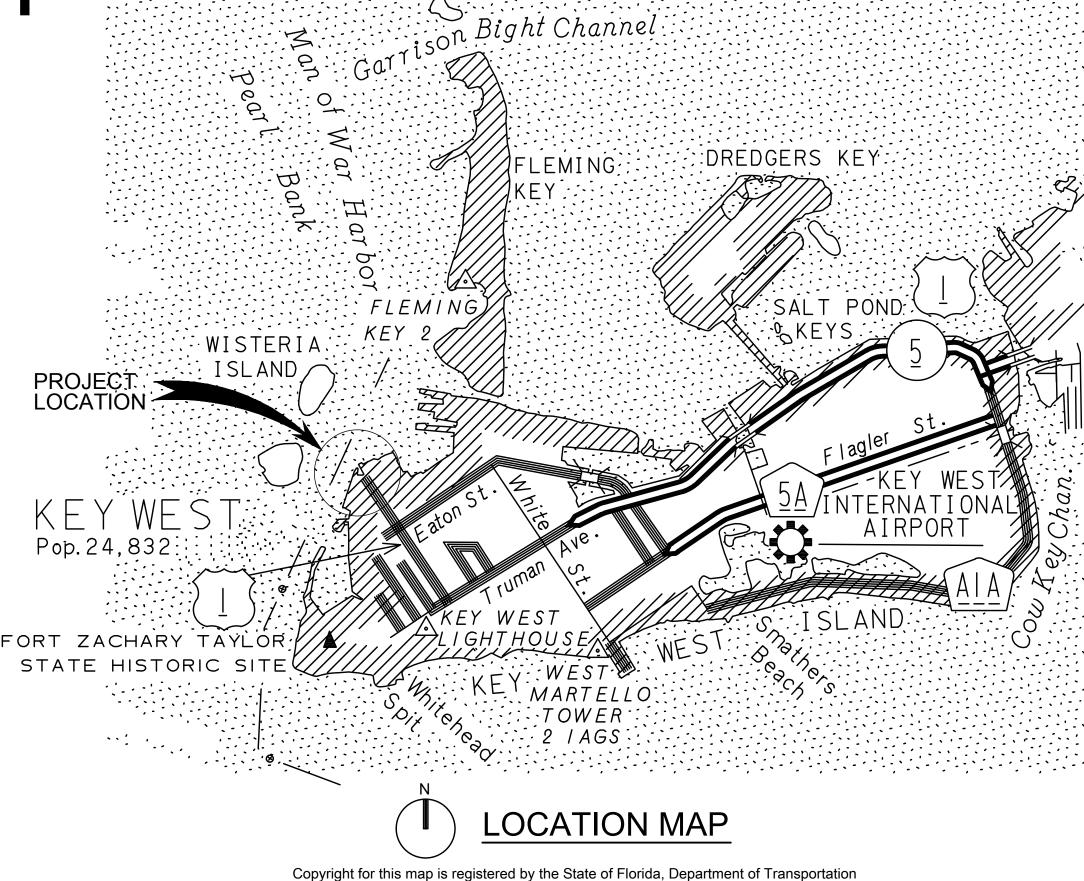
G-001 COVER SHEET
G-002 OVERALL SITE PLAN
G-003 HYDROGRAPHIC AND TOPOGRAPHIC
SURVEY - ZERO DUVAL
G-004 HYDROGRAPHIC AND TOPOGRAPHIC

OITE / OTDLICTUDAL

S-001 GENERAL NOTES
DS-002 ZERO DUVAL - EXISTING SITE PHOTOS
DS-100 ZERO DUVAL - SITE DEMOLITION PLAN
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DS-503 ZERO DUVAL - OUTFLOW PIPE DETAILS
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MS-501 MALLORY SQUARE - T-PIER DOLPHIN DETAILS (1 OF 2)
MS-502 MALLORY SQUARE - T-PIER DOLPHIN DETAILS (2 OF 2)



Volume 2 of 2



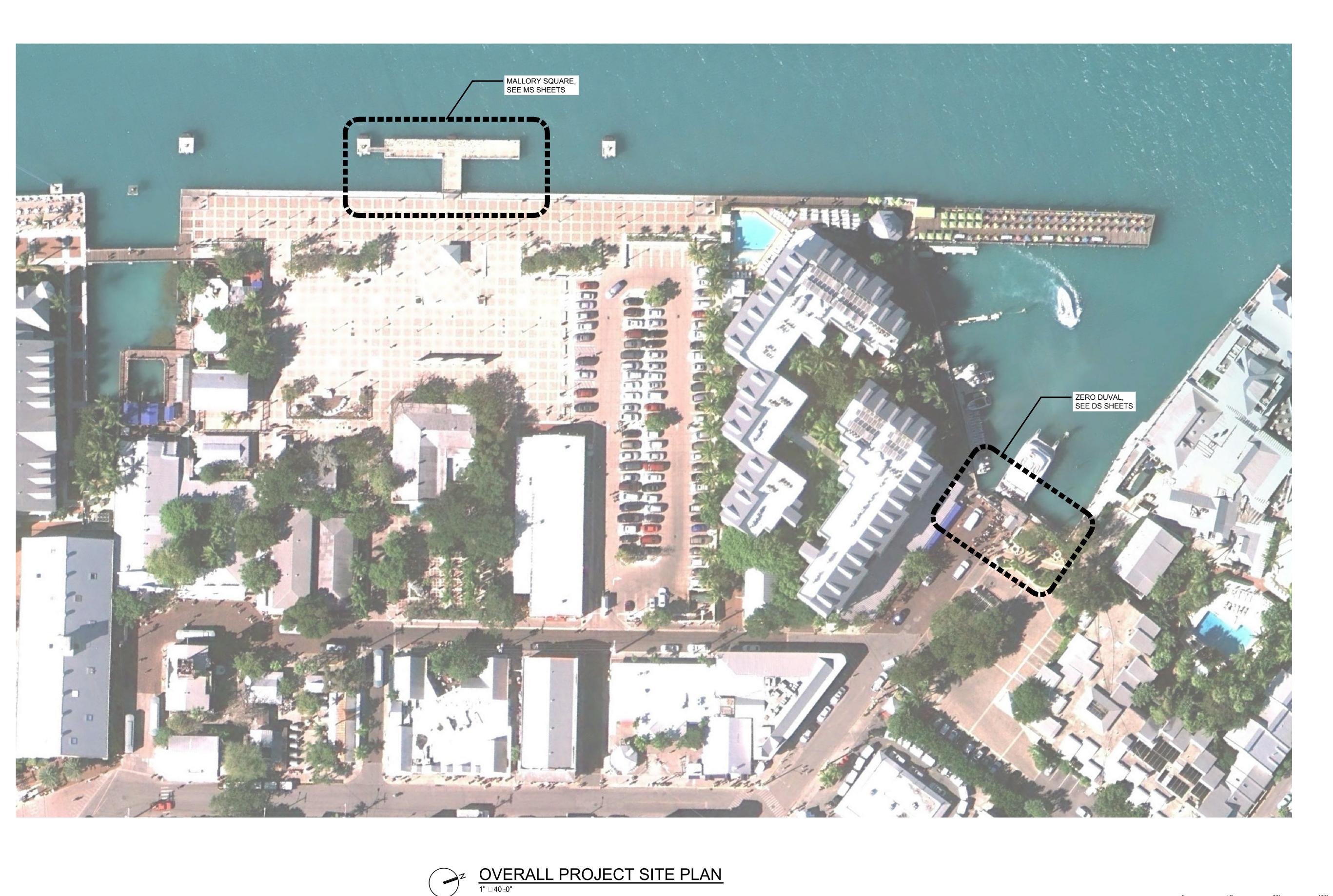
For information regarding this project, contact:

SEAN MCCOY 6410 5th Street, Suite 2-A Key West, FL 33040 305-294-1645

CH2NHILL

CH2M Hill Project No. 439197 Key West Project No. EN-1002 ITB No. 16-002

BID DOCUMENTS - ISSUED FOR BID JANUARY 2016



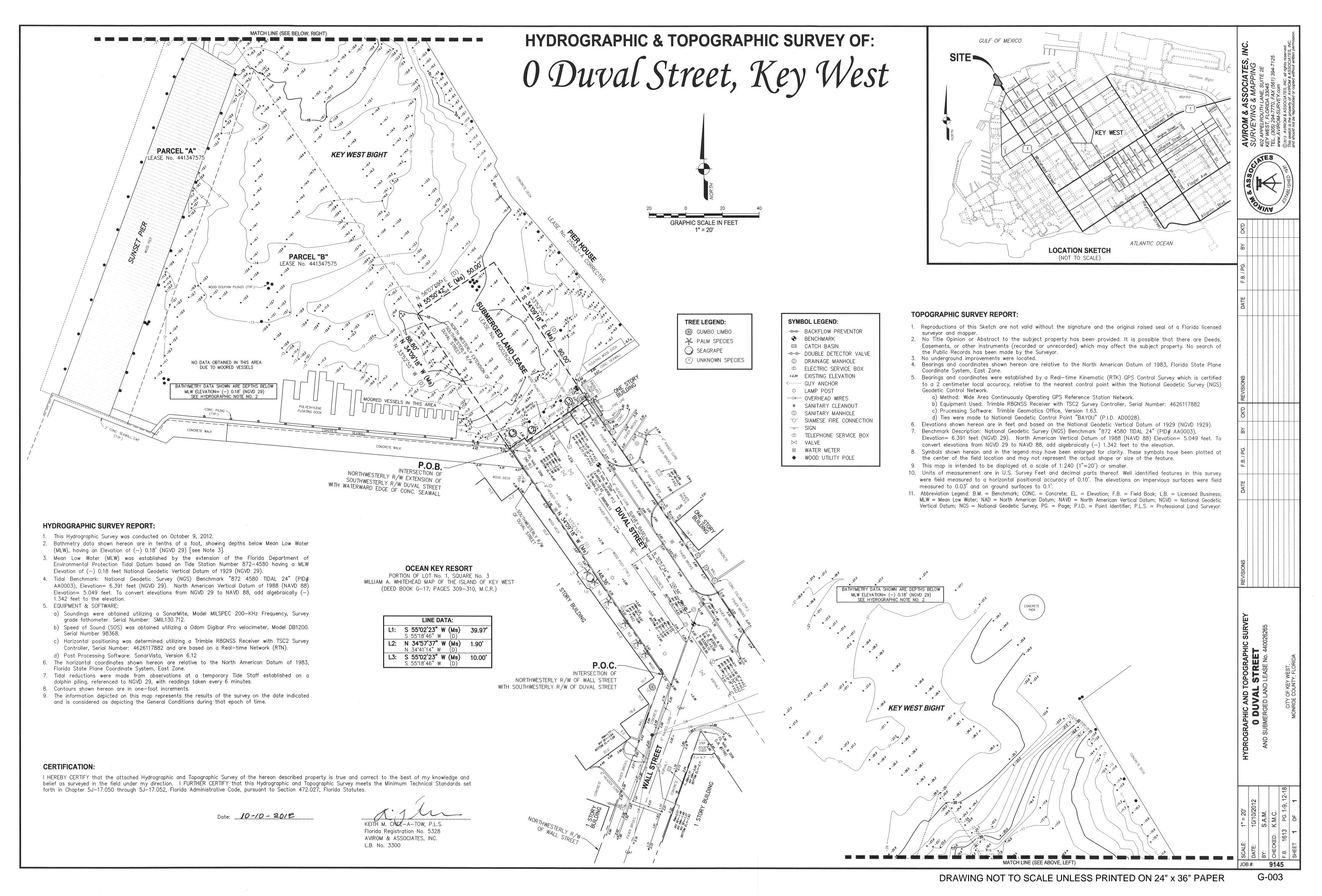
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.

FILENAME: D00 G-002 439197.DWG PL

PLOT DATE: 01/04/2016

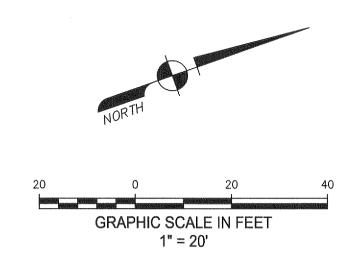
PLOT TIME: 4:02 PM

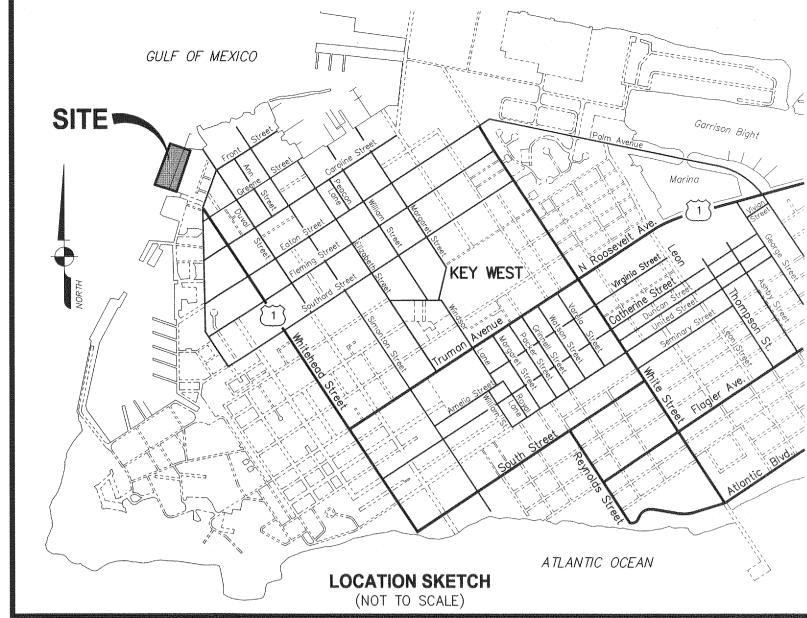
G-002

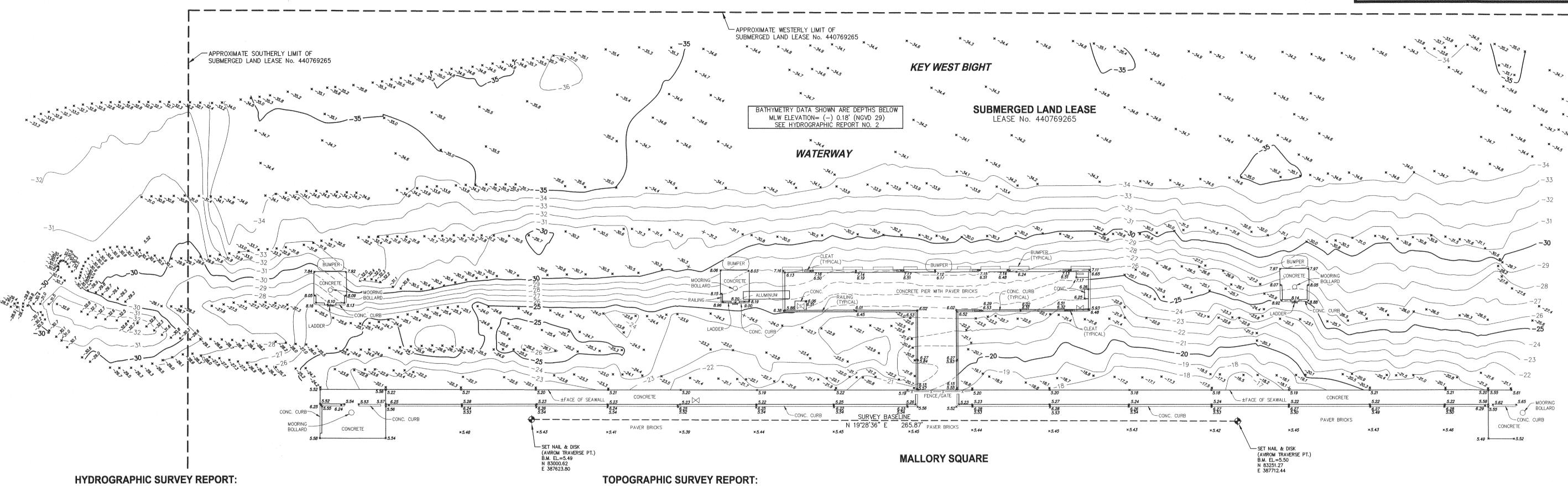


HYDROGRAPHIC & TOPOGRAPHIC SURVEY OF:

Mallory Square, Key West







- 1. This Hydrographic Survey was conducted on October 9, 2012.
- 2. Bathymetry data shown hereon are in tenths of a foot, showing depths below Mean Low Water (MLW), having an Elevation of (-) 0.18' (NGVD 29) [see Note 3].
- 3. Mean Low Water (MLW) was established by the extension of the Florida Department of Environmental Protection Tidal Datum based on Tide Station Number 872—4580 having a MLW Elevation of (-) 0.18 feet National Geodetic Vertical Datum of 1929 (NGVD 29).
- 4. Tidal Benchmark: National Geodetic Survey (NGS) Benchmark "872 4580 TIDAL 24" (PID# AA0003), Elevation= 6.391 feet (NGVD 29). North American Vertical Datum of 1988 (NAVD 88) Elevation = 5.049 feet. To convert elevations from NGVD 29 to NAVD 88, add algebraically (-) 1.342 feet to the elevation.
- 5. EQUIPMENT & SOFTWARE:
- a) Soundings were obtained utilizing a SonarMite, Model MILSPEC 200—KHz Frequency, Survey arade fathometer. Serial Number: SMIL130.712.
- b) Speed of Sound (SOS) was obtained utilizing a Odom Digibar Pro velocimeter, Model DB1200.
- c) Horizontal positioning was determined utilizing a Trimble R8GNSS Receiver with TSC2 Survey Controller, Serial Number: 4626117882 and are based on a Real-time Network (RTN). d) Post Processing Software: SonarVista, Version 6.12
- 6. The horizontal coordinates shown hereon are relative to the North American Datum of 1983, Florida State Plane Coordinate System, East Zone.
- 7. Tidal reductions were made from observations at a temporary Tide Staff established on the seawall, referenced to NGVD 29, with readings taken every 6 minutes.
- 8. Contours shown hereon are in one—foot increments. 9. The information depicted on this map represents the results of the survey on the date indicated and is considered as depicting the General Conditions during that epoch of time.

- 1. Reproductions of this Sketch are not valid without the signature and the original raised seal of a Florida licensed
- 2. No Title Opinion or Abstract to the subject property has been provided. It is possible that there are Deeds, Easements, or other instruments (recorded or unrecorded) which may affect the subject property. No search of the Public Records has been made by the Surveyor.
- 3. No underground improvements were located. 4. Bearings and coordinates shown hereon are relative to the North American Datum of 1983, Florida State Plane
- Coordinate System, East Zone. 5. Bearings and coordinates were established by a Real—time Kinematic (RTK) GPS Control Survey which is certified to a 2 centimeter local accuracy, relative to the nearest control point within the National Geodetic Survey (NGS)
 - Geodetic Control Network. a) Method: Wide Area Continuously Operating GPS Reference Station Network.
 - b) Equipment Used: Trimble R8GNSS Receiver with TSC2 Survey Controller, Serial Number: 4626117882
 - c) Processing Software: Trimble Geomatics Office, Version 1.63. d) Ties were made to National Geodetic Control Point "BAYOU" (P.I.D. AD0028).
- Elevations shown hereon are in feet and based on the National Geodetic Vertical Datum of 1929 (NGVD 1929). 7. Benchmark Description: National Geodetic Survey (NGS) Benchmark "872 4580 TIDAL 24" (PID# AA0003), Elevation= 6.391 feet (NGVD 29). North American Vertical Datum of 1988 (NAVD 88) Elevation= 5.049 feet. To
- convert elevations from NGVD 29 to NAVD 88, add algebraically (-) 1.342 feet to the elevation. 8. Symbols shown hereon and in the legend may have been enlarged for clarity. These symbols have been plotted at
- the center of the field location and may not represent the actual shape or size of the feature. 9. This map is intended to be displayed at a scale of 1:240 (1"=20') or smaller.
- 10. Units of measurement are in U.S. Survey Feet and decimal parts thereof. Well identified features in this survey were field measured to a horizontal positional accuracy of 0.10'. The elevations on impervious surfaces were field measured to 0.03' and on ground surfaces to 0.1'.
- 11. Abbreviation Legend: B.M. = Benchmark; CONC. = Concrete; EL. = Elevation; F.B. = Field Book; L.B. = Licensed Business; MLW = Mean Low Water; NAD = North American Datum; NAVD = North American Vertical Datum; NGVD = National Geodetic Vertical Datum; NGS = National Geodetic Survey; PG. = Page; P.I.D. = Point Identifier; P.L.S. = Professional Land Surveyor.

SYMBOL LEGEND:

- BENCHMARK
- *5.45 EXISTING ELEVATION
- SANITARY VALVE ⋈ VALVE

CERTIFICATION:

I HEREBY CERTIFY that the attached Hydrographic and Topographic Survey of the hereon described property is true and correct to the best of my knowledge and belief as surveyed in the field under my direction. I FURTHER CERTIFY that this Hydrographic and Topographic Survey meets the Minimum Technical Standards set forth in Chapter 5J—17.050 through 5J—17.052, Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

Date: 10-09-2012

KEITH M. OHEE-A-TOW, P.L.S Florida Registration No. 5328 AVIROM & ASSOCIATES, INC. L.B. No. 3300



AVIROM & ASSOCIATES, INC. SURVEYING & MAPPING

402 APPELROUTH LANE, SUITE 2E, KEY WEST, FLORIDA 33045 TEL. (305) 294-7770, FAX (561) 394-7125 www.AVIROM-SURVEY.com

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REVISIONS	DATE	F.B. / PG.	BY	CK'D	REVISIONS	DATE	F.B. / PG.	BY	CK'D
									
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HYDROGRAPHIC AND TOPOGRAPHIC SURVEY **MALLORY SQUARE**

AND SUBMERGED LAND LEASE No. 440769265 CITY OF KEY WEST.

JOB #:		9146	
SCALE:		1" = 20'	
DATE:		10/09/20)12
BY:		S.A.M.	
CHECKE	ED:	K.M.C.	
F.B.	1613	PG.	10 & 11
SHEET	1	OF	1

MONROE COUNTY, FLORIDA